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8.23 SIROCCO BURNER - REMOTE CONTROL OPERATING SYSTEM

8.23.1 GENERAL INFORMATION

Issue 1 of this supplement has four pages.

There are no additional continued airworthiness instructions associated with this supplement.

This supplement was originally approved by UK.CAA as Supplement 6 to Flight Manual, Issue 9 on 15 January 2003.

8.23.2 LIMITATIONS

8.23.2.3 Fuel

4. The system is designed to operate during the cruise sector of the flight envelope and must not be used during the inflation, take off or landing phases.

Note The system is designed to operate over the recommended working pressure range of the burner (3 Bar to 10 Bar). Caution should be exercised at the extremes of the operating range, as the reaction time of the control system will slow.

8.23.3 EMERGENCY PROCEDURES

8.23.3.10 Burner Failure

Should the remote control fail to operate, the burner should be operated manually and the control box should be switched to the 'OFF' ('Safe') position.

8.23.4 NORMAL PROCEDURES

8.23.4.3.2 Basket Rigging

The basket and burner should be rigged normally with the control cable from the burner frame inserted inside the pole cover nearest the control box.

The burner control cable and the hand held control cable should be connected to the control box. Ensure the control box is in the 'OFF' ('Safe') position.

8.23.4.6 CONTROL IN FLIGHT

8.23.4.6.1 Burner Control

Once the balloon is airborne each of the burners fitted with the remote system should be operated manually two or three times to prime the system.

The control box should be switched to the 'ON' ('Live') position. The burners can then be operated via the hand held remote control.

When not in use the control box should be switched to the 'OFF' ('Safe') position.

8.23.4.7 Landing

8.23.4.7.1 Approach To Land

The control box should be switched to the 'OFF' ('Safe') position and the hand held remote control should be stowed prior to any landing or approach.

8.23.4.7.4 Action After Landing

Once the landing phase is completed and the fuel cylinders turned off, the control box should be switched to the 'ON' ('Live') position. Both burners should then be operated to allow any residual gases in the system to escape. Failure to purge the system could result in damage to the burner system.

8.23.5 WEIGHT CALCULATIONS

No change.

8.23.6 BALLOON AND SYSTEMS DESCRIPTION

8.23.6.3 Burner

8.23.6.3.11 Sirocco Burner

The Sirocco burner is available with a solenoid actuated remote control system. The burner may be operated normally or from a hand held remote control. The remote control system actuates either burner of a double burner or both burners simultaneously. The System can also be fitted to one pair of burners in a triple burner system or one pair of burners in a quad burner system.

The burner unit blast valve is fitted with a vapourising tube which bleeds liquid propane from the main liquid supply. The output of the tube is controlled by a battery operated solenoid valve which, when operated, allows vapourised propane to actuate a piston which opens the blast valve.

In addition to the solenoids, the burner is fitted with a burner frame mounted junction box to allow connection to the control system.

The control system consists of a basket mounted control box and a hand held remote control unit.

The hand held unit has three buttons which allow the operation of the left burner, the right burner or both burners simultaneously.

8.23.7 BALLOON MAINTENANCE, HANDLING AND CARE

No change.

8.23.9 EQUIPMENT LIST

No change.

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